

**What is claimed is:**

1. A wireless transceiver apparatus, comprising:
  - a. a transceiver unit, including a skin-touch microphone, which is able to transform human voice to a first signal;
  - b. a communication unit capable of transmitting a second signal;
  - c. a radio-receiving unit for receiving the second signal; and
  - d. a switch unit connected to the radio-receiving unit;

wherein when the wireless transceiver apparatus is in a first state, the switch unit receives the first signal from the transceiver unit and passes the received signal to the communication unit; and when the wireless transceiver apparatus is in a second state, the switch unit receives the second signal from the communication unit and passes the received signal to the transceiver unit, and finally to the radio-receiving unit.

- 15 2. The wireless transceiver apparatus as claimed in claim 1, wherein the radio-receiving unit is a wireless earpiece.
3. The wireless transceiver apparatus as claimed in claim 1, wherein the communication unit is a cellular phone.
4. A wireless transceiver apparatus, comprising:
  - 20 a. a radio transmitting unit, including a skin-touch microphone capable of transforming human voice into a first signal;
  - b. a communication unit for transmitting a second signal;
  - c. a radio-receiving unit for receiving the second signal; and
  - d. a switch unit connected to the radio-receiving unit;

wherein when the wireless transceiver apparatus is in a first state, the switch unit receives the first signal from the transceiver unit and passes the received signal to the communication unit; and when the wireless transceiver apparatus is in a second state, the switch unit receives the second signal from the communication unit and passes the received signal to the transceiver unit, and finally to the radio-receiving unit.

5. The wireless transceiver apparatus as claimed in claim 4, wherein the radio-receiving unit is a wireless earpiece.
10. The wireless transceiver apparatus as claimed in claim 4, wherein the communication unit is a cellular phone.